CyberView™

User Manual

SunReadable Solution
15", 17", 19", 22" screen size

SunReadable LCD Display
Models
RP-H717 / RP-H819

SunReadable Widescreen LCD Display
Models
RP-HW719 / RP-HW822

SunReadable LCD Drawer
Models
RP-H117 / RP-H119

SunReadable LCD Keyboard Drawer

Models
H-117 / 119

- With KVM options

Options : - BNC + S-Video - DVI - Touchscreen
- Audio - Quad Display - DC power

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1.1 Important Safeguards

Chapter 1

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

1.2 Regulatory Notice

Legal Information

First English printing, October 2002
Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40º Celsius (104º Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the drawer is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equip ment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

1.3 Before Installation

- It is very important to locate the Rackmount LCD Drawer / Display in a suitable environment.
- The surface for placing and fixing the Rackmount LCD Drawer / Display should be stable and level or mounted into a suitable cabinet.
- Make sure the place has good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.
- Convenience for connecting the Rackmount LCD Drawer / Display to the related facilities should be well considered too.

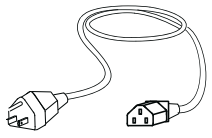
1.4 Unpacking

The Rackmount LCD Drawer / Display comes with the standard parts shown on the package contents. Check and make sure they are included and in good condition. If anything is missing, or damage, contact the supplier immediately.

1.5 Optional Accessories

1. Power Cord

1.1 IEC power cord
1.2 NEMA 5-15 power cord (US)
1.3 BS 1363 power cord (UK)
1.4 CEE 7/4 power cord (German)
1.5 AS 3112 power cord (Australia)



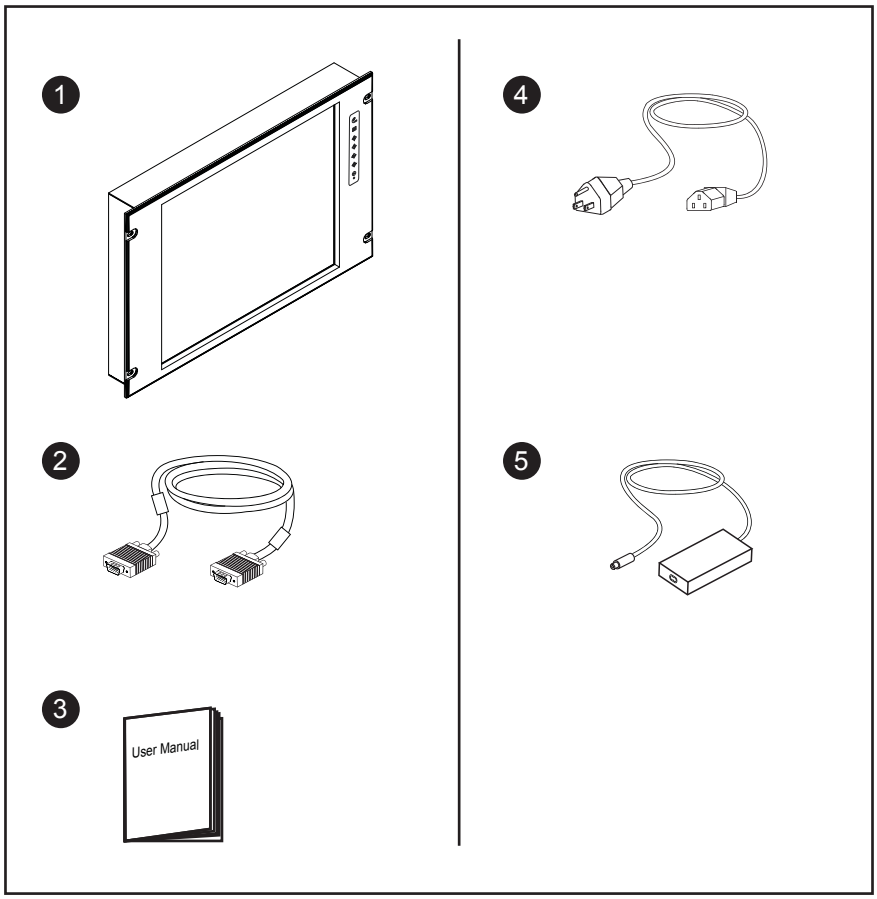
1.6 Peripheral Products

Item	Model No.	Description
Matrix Cat6 KVM	MU-1602 / MU-1603 / MU-1604 MU-IP1613 / MU-IP1614 / MU-IP1624 MU-3202 / MU-3203 / MU-3204 MU-IP3213 / MU-IP3214 / MU-IP3224	Matrix Cat6 16 port KVM Matrix IP Cat6 16 port KVM Matrix Cat6 32 port KVM Matrix IP Cat6 32 port KVM
Matrix DB-15 KVM	M-802 / M-803 / M-804 M-IP813 / M-IP814 / M-IP824 M-1602 / M-1603 / M-1604 M-IP1613 / M-IP1614 / M-IP1624	Matrix DB-15 8 port KVM Matrix IP DB-15 8 port KVM Matrix DB-15 16 port KVM Matrix IP DB-15 16 port KVM
Combo Cat6 KVM	U-801 / U-802 / U-IP802 U-1601 / U-1602 / U-IP1602 U-3201 / U-3202 / U-IP3202	Combo Cat6 8 port KVM Combo Cat6 16 port KVM Combo Cat6 32 port KVM
Combo DB-15 KVM	CV-S801 / CV-802 / IP-802 CV-S1601 / CV-1602 / IP-1602	Combo DB-15 8 port KVM Combo DB-15 16 port KVM
PS/2 DB-15 KVM	CV-401 / CV-801 / CV-1601	4 / 8 / 16 port PS/2 DB-15 KVM
Keyboard Drawer	RK-1 RK-2	Rackmount keyboard drawer (with KVM options) Rackmount keyboard drawer (short depth version)

2.1 Package Contents

Chapter 2

RP-H717 & RP-H819



① Rackmount LCD display x 1 pc

② 6' VGA cable (male to male) x 1 pc

③ User manual x 1 pc

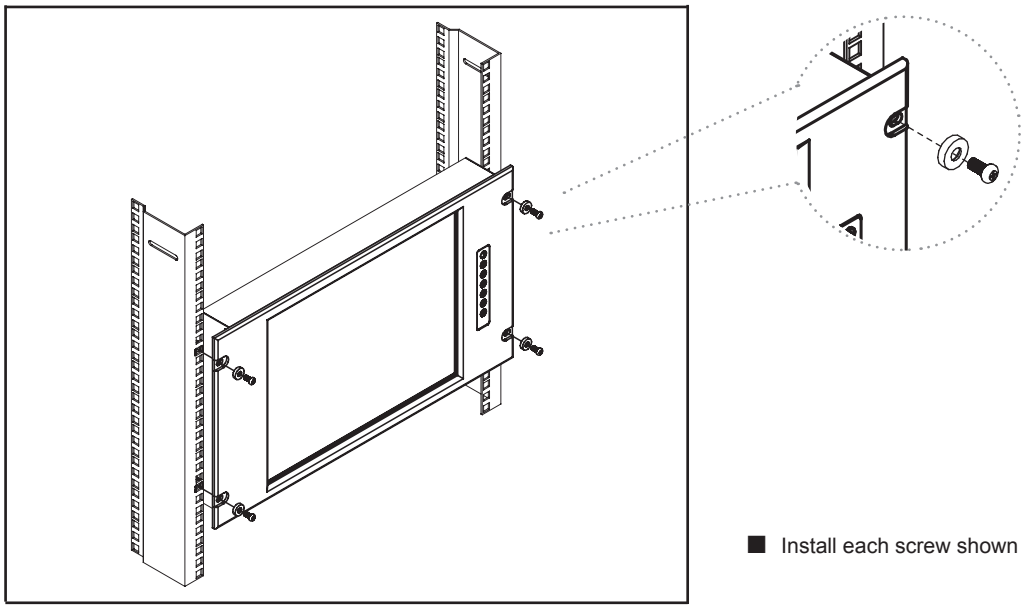
④ Power cord x 1 pc

⑤ Auto switch power adapter x 1 pc

2.2 Installation

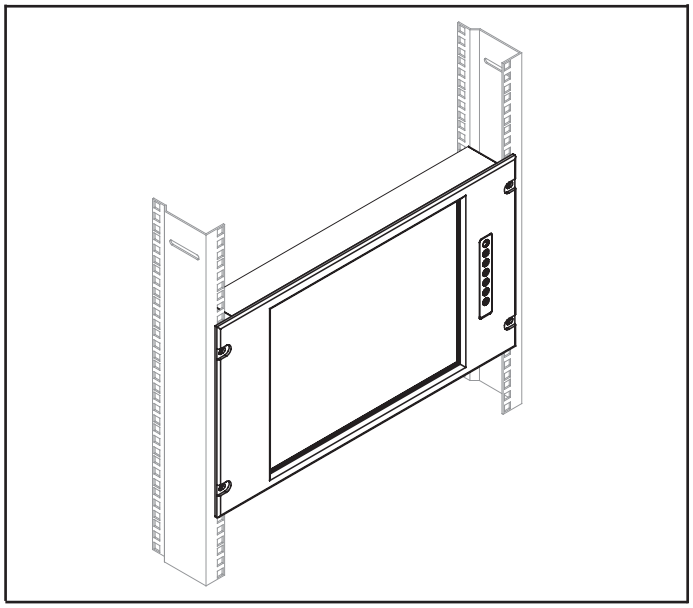
Chapter 2

RP-H717 & RP-H819



■ Install each screw shown in **Figure 1**.

Figure 1.



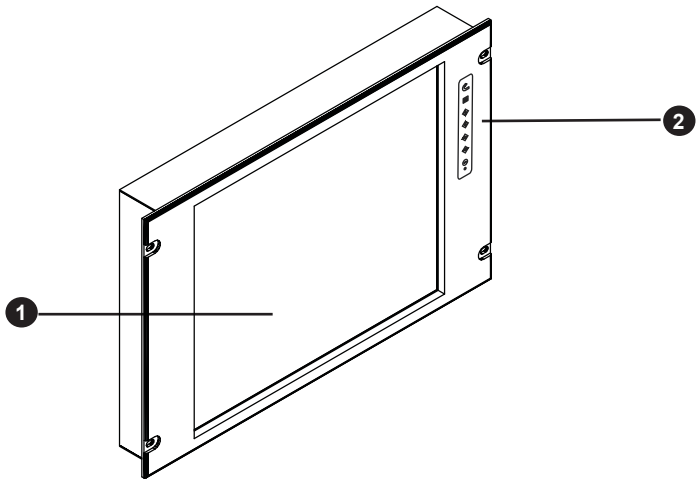
■ Fixed the LCD into the rack.

*** M6 screws are not provided.**

Figure 2.

2.3 Structure Diagram

RP-H717 & RP-H819

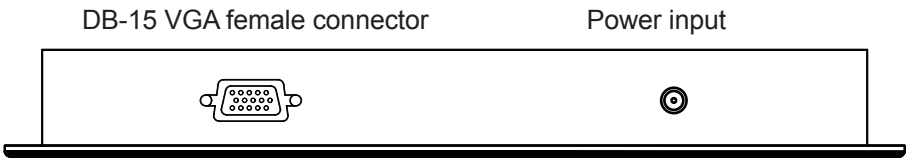


① LCD interchangeable module kit

② LCD membrane

2.4 Connection

RP-H717 & RP-H819

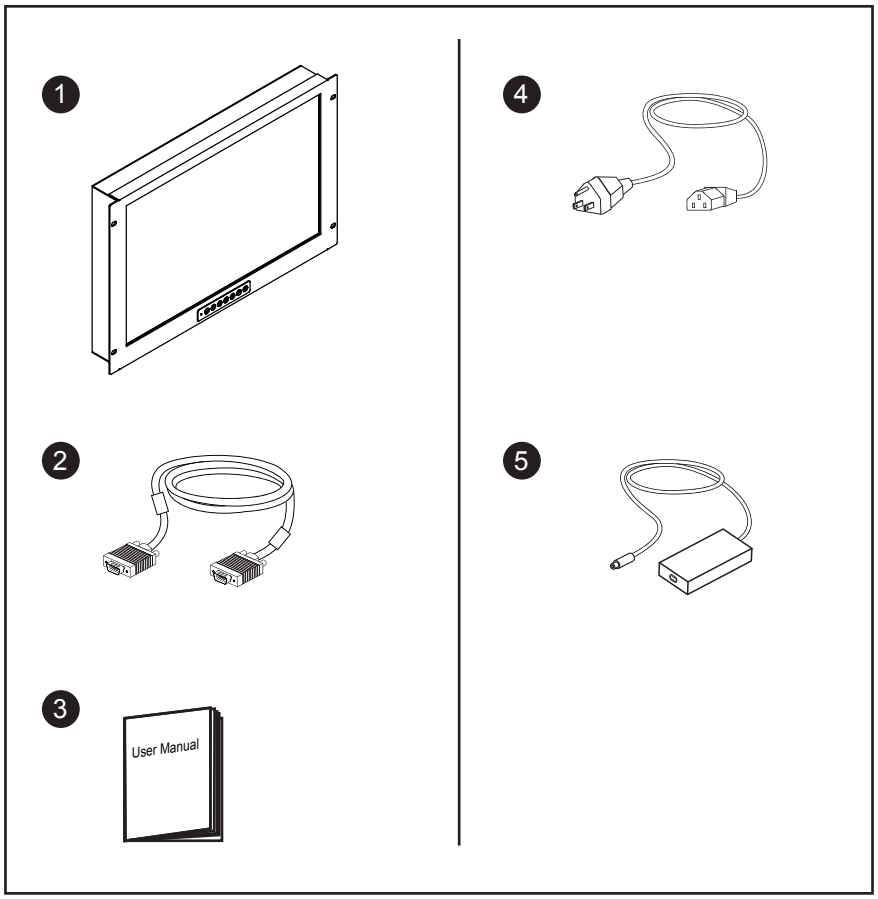


Caution : The Rackmount LCD Drawer & Display are hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage of the servers, KVM and Rackmount LCD Drawer. Before attempting to connect anything to the Rackmount LCD Drawer, we suggest turning off power to all devices before connecting them. Apply power to connected devices again only after the Rackmount LCD Drawer is receiving power.The company is not responsible for damage caused in this way.

Chapter 3

3.1 Package Contents

RP-HW719 & RP-HW822



① Rackmount LCD display x 1 pc

② 6' VGA cable (male to male) x 1 pc

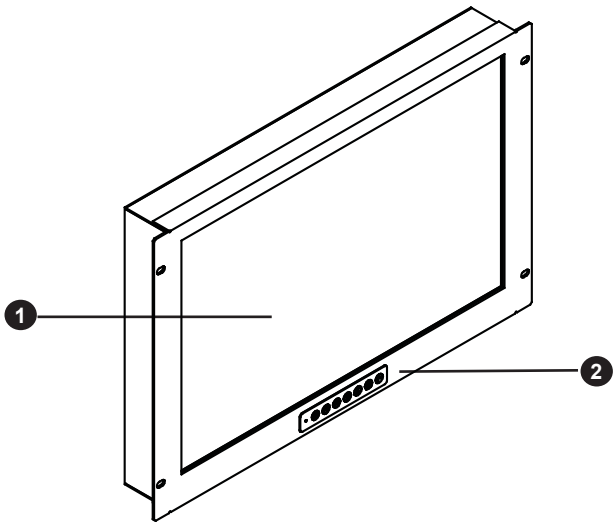
③ User manual x 1 pc

④ Power cord x 1 pc

⑤ Auto switch power adapter x 1 pc

3.2 Structure Diagram

RP-HW719 & RP-HW822

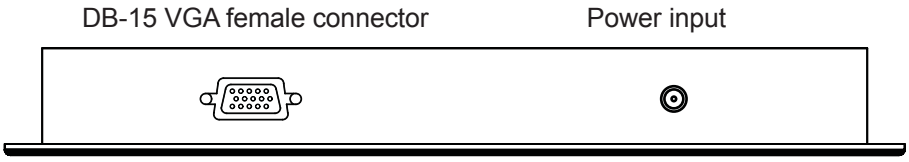


① LCD interchangeable module kit

② LCD membrane

3.3 Connection

RP-HW719 & RP-HW822



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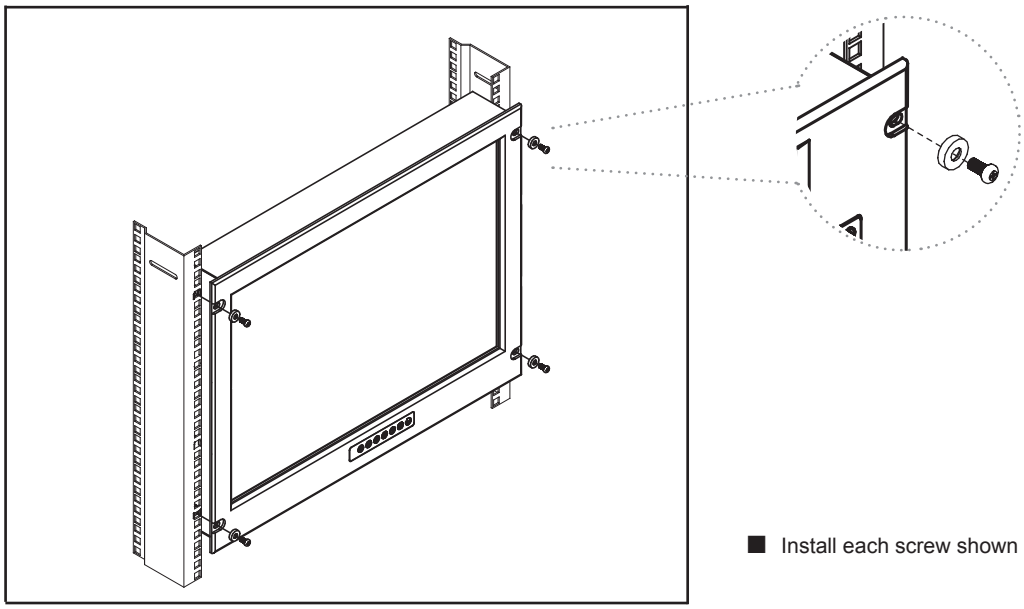
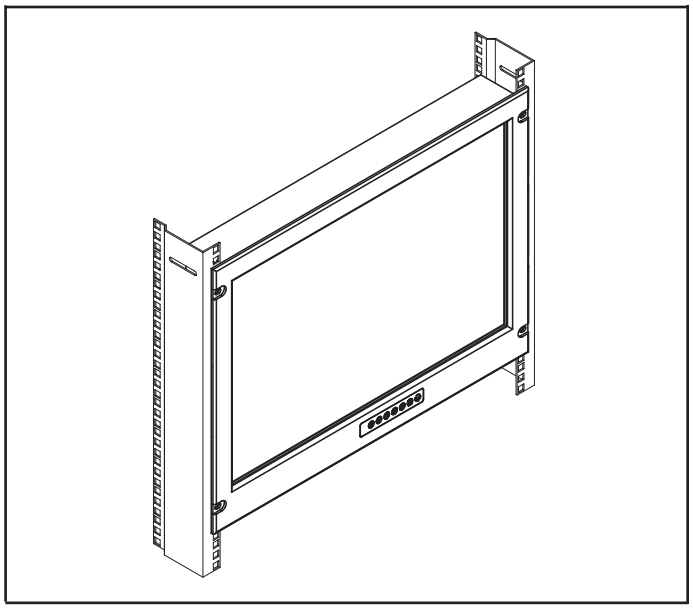
3.4 Installation

RP-HW719



■ Install each screw shown in **Figure 3**.

Figure 3.



■ Fixed the LCD into the rack.

*** M6 screws are not provided.**

Figure 4.

RP-HW822

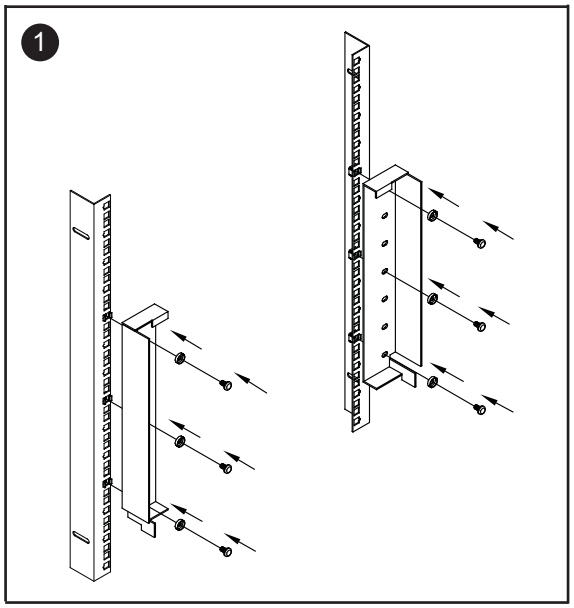


Figure 5.

■ Install each screw shown in **Figure 5**.

*** M6 screws are not provided.**

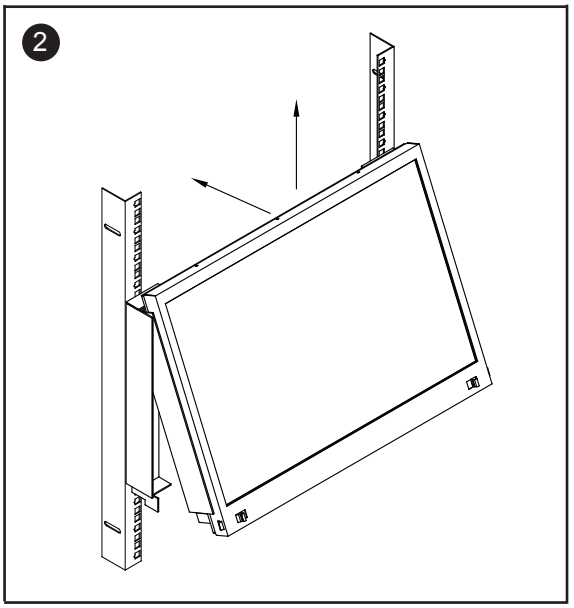


Figure 6.

■ Insert the upper part of the LCD display to the rack shown in **Figure 6**.

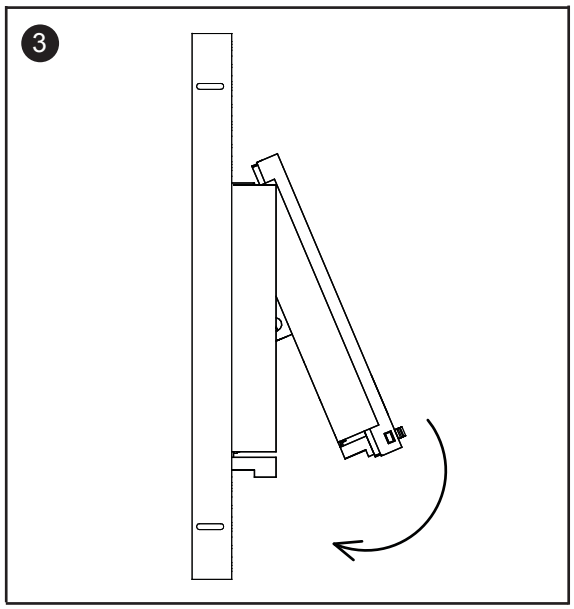


Figure 7.

■ Push the lower part of the LCD into the rack.

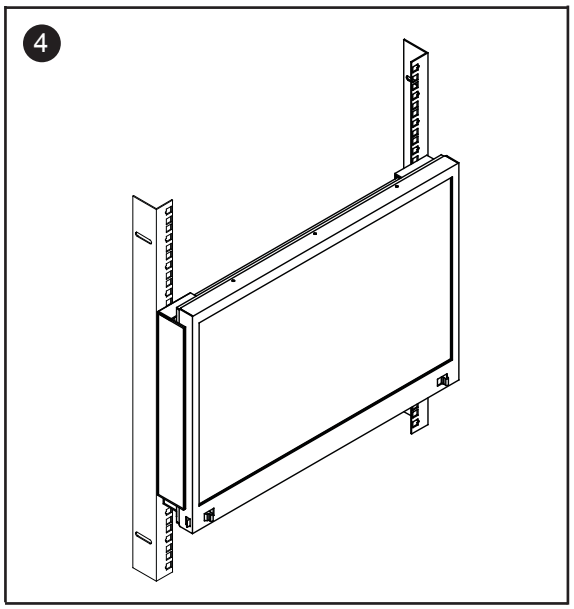


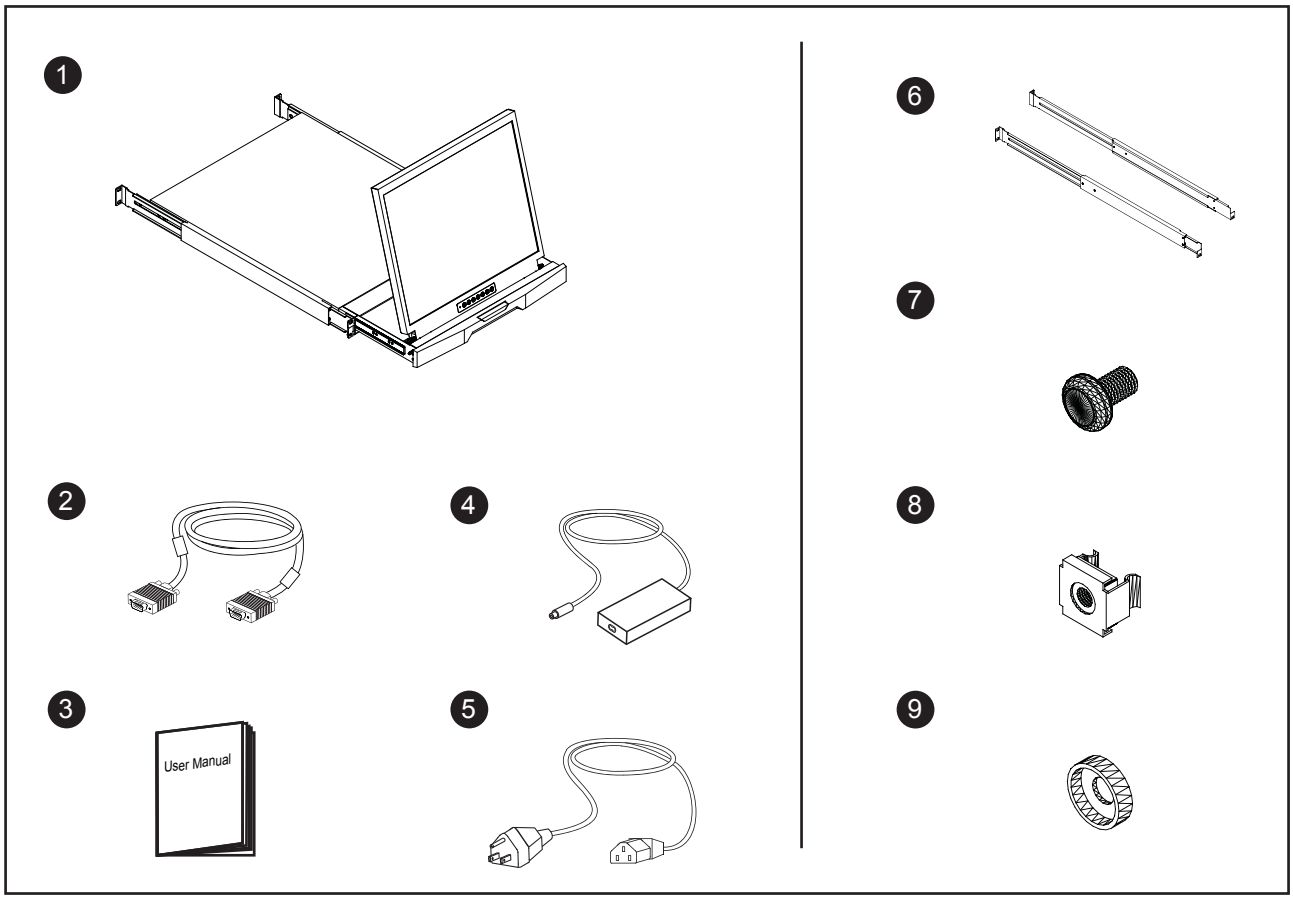
Figure 8.

■ Installation completed.

4.1 Package Contents

Chapter 4

RP-H117 & RP-H119



① LCD drawer x 1 pc

② 6’ VGA cable (male to male) x 1 pc

③ User manual x 1 pc

④ Auto switch power adapter x 1 pc

⑤ Power cord x 1 pc

⑥ Mounting bracket x 2 pcs

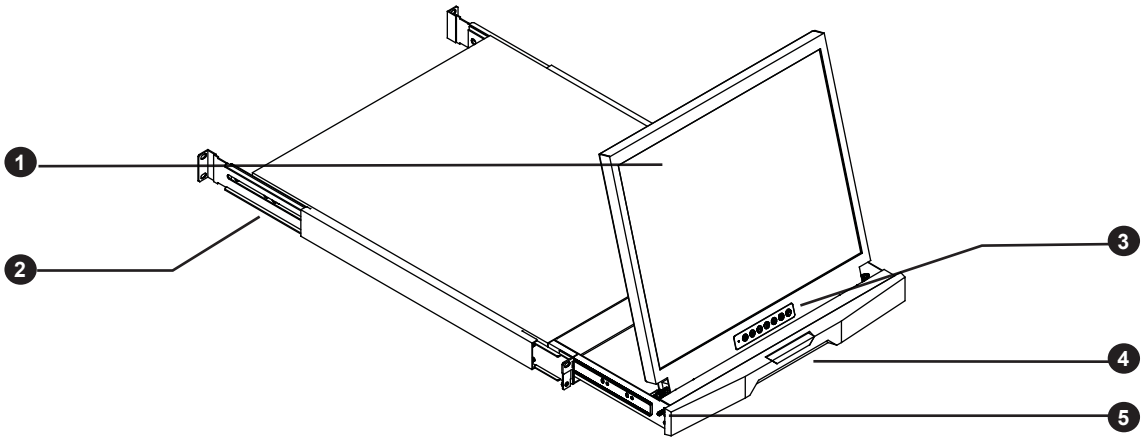
⑦ M6*15mm screw x 8 pcs

⑧ M6 cage nut x 6 pcs

⑨ Cup washer x 8 pcs

4.2 Structure Diagram

RP-H117 & RP-H119



① LCD interchangeable module kit

② “One Man” Installation Slide

③ LCD membrane

④ Carry handle to release the 2-pt lock

⑤ 2-point lock

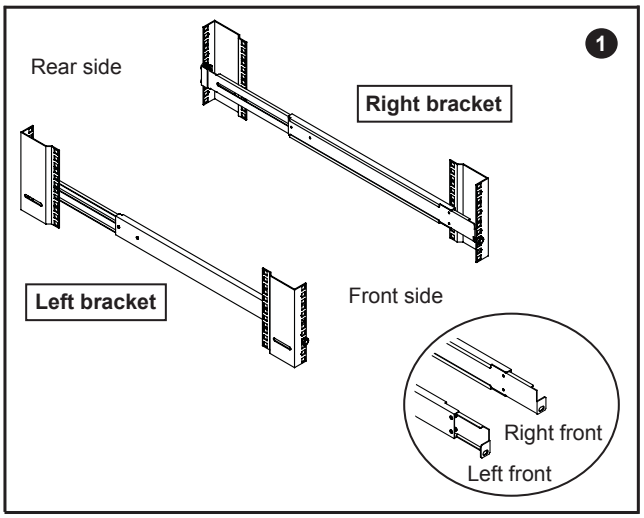
4.3 Connection

RP-H117 & RP-H119

Caution : The Rackmount LCD Drawer & Display are hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage of the servers, KVM and Rackmount LCD Drawer. Before attempting to connect anything to the Rackmount LCD Drawer, we suggest turning off power to all devices before connecting them. Apply power to connected devices again only after the Rackmount LCD Drawer is receiving power.The company is not responsible for damage caused in this way.

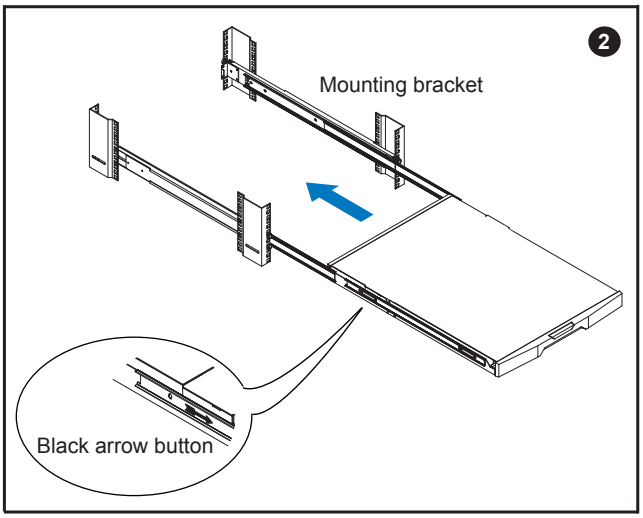
4.4 How to Install "One Man" Installation Slides

Install into rack

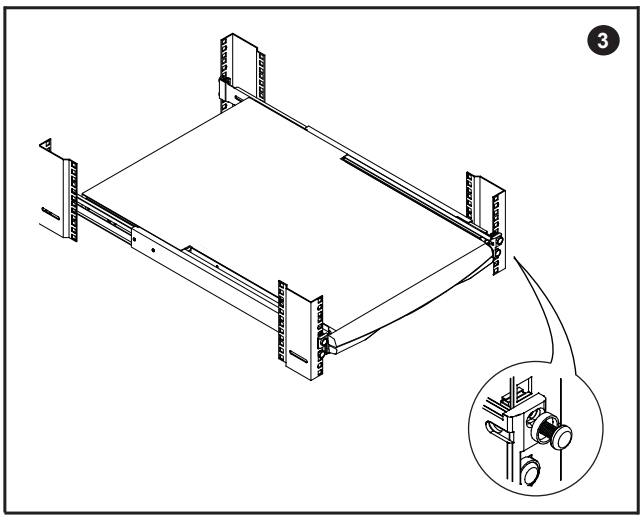


- Attach the left and right mounting bracket to rack 19” mounting rails.
- Adjust the rear mouting bracket to fit your rack.
- M6 screw and cup washer x 6 pcs included.

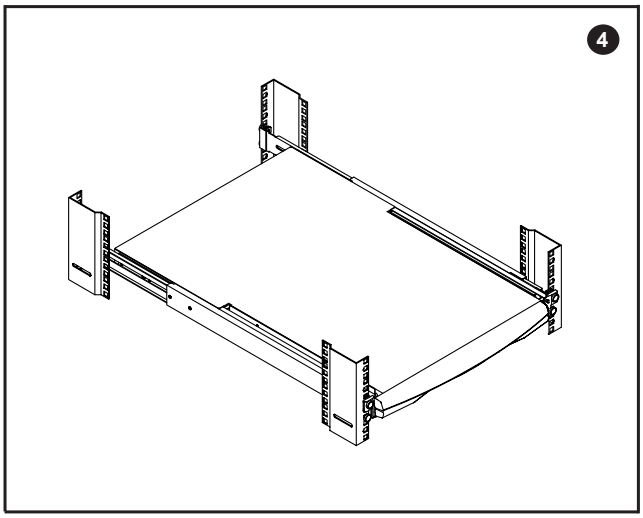
Caution : Leaving the screws slightly loose, until you complete the installation in step 4



- Pick up the LCD keyboard drawer.
- Insert the LCD keyboard drawer into the mounting bracket.
- Pull and hold the left & right black arrow buttons on the rails.
- Return the LCD keyboard drawer to park position.



- Attach front left and right mounting ears of the LCD keyboard drawer to vertical mounting rails.
- M6 screw and cup washer x 2 pcs included.



Complete the installation

- Tighten all 8 pcs of M6 screw to complete the installation.

4.5 How to Use the Slides

RP-H117 & RP-H119

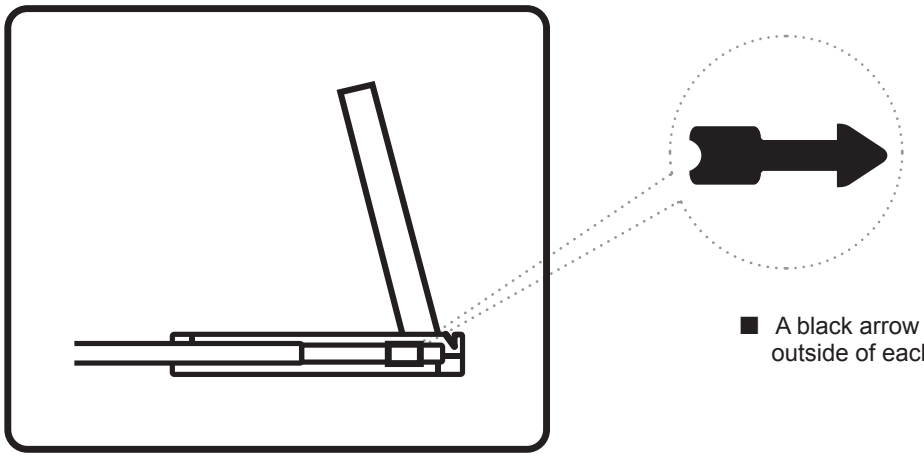


Figure 9.

■ A black arrow release button is located on the outside of each slide. (shown in **Figure 9)**.

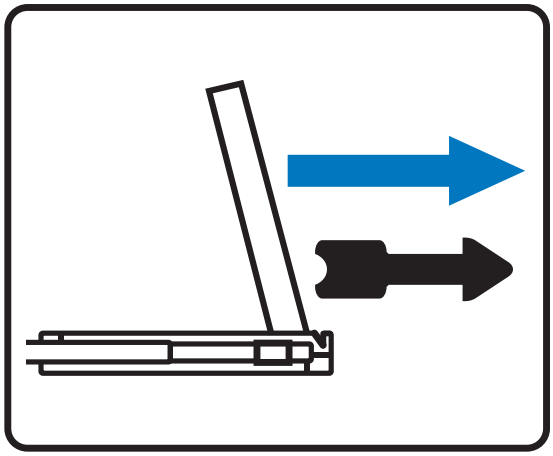


Figure 10..

■ Pull and hold the black arrow button on either side of the LCD drawer to unlock. (shown in **Figure 10)**.

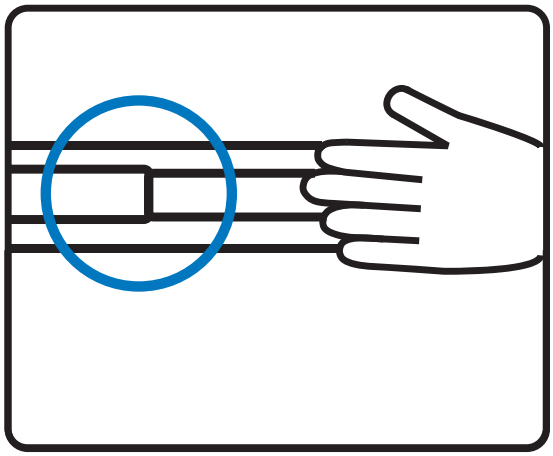


Figure 11.

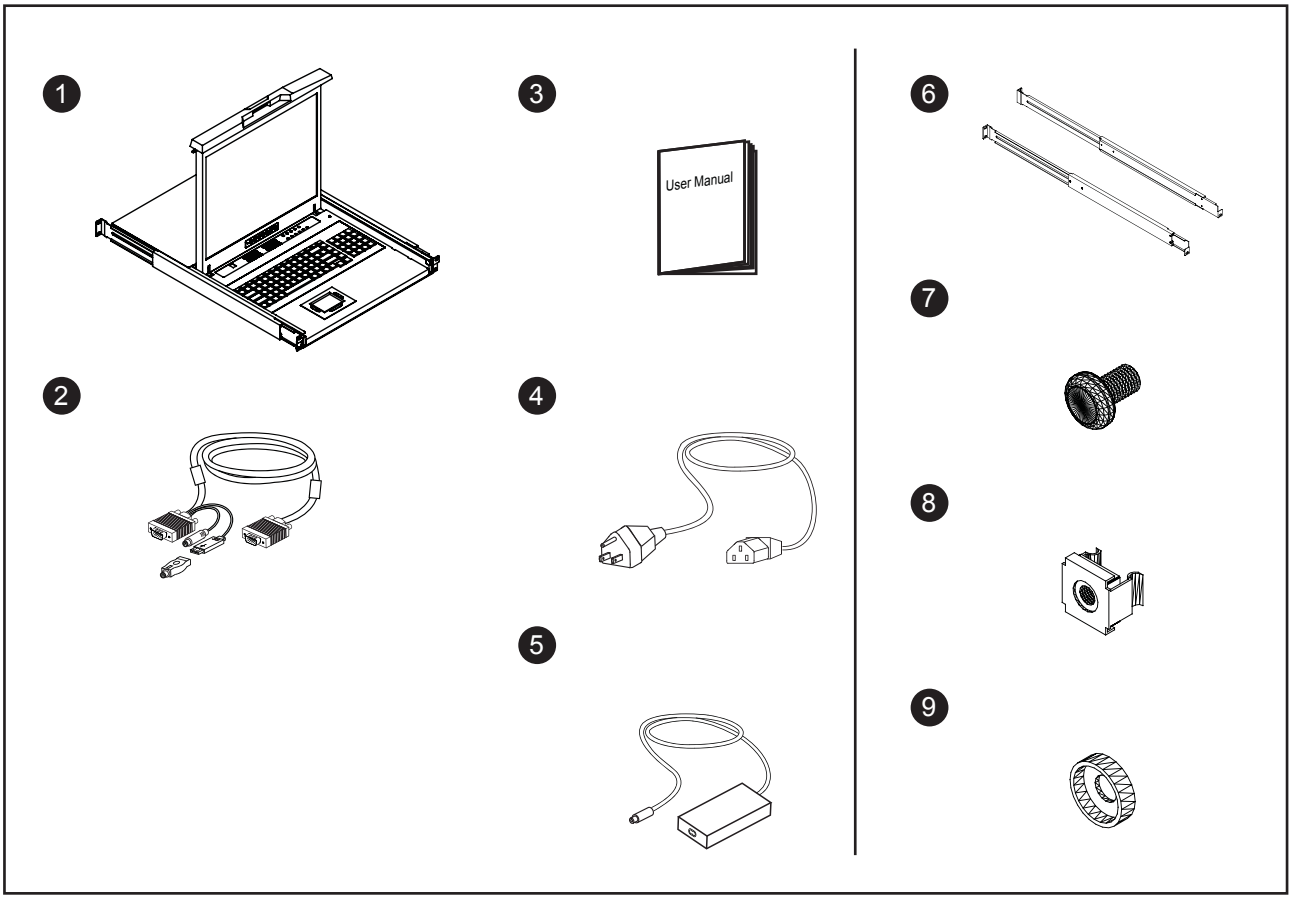
■ Push the LCD drawer into the rack. (shown in **Figure 11)**.

Caution : Keep your fingers away from the slide stop

5.1 Package Contents

Chapter 5

H-117 & H-119



① LCD keyboard drawer x 1 pc

② **CE-6** Combo 4-in-1 KVM cable x 1 pc

③ User manual x 1 pc

④ Power cord x 1 pc

⑤ Auto switch power adapter (for external power version) x 1 pc

⑥ Mounting bracket x 2 pcs

⑦ M6*15mm screw x 8 pcs

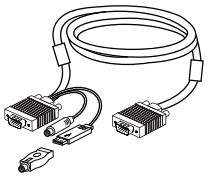
⑧ M6 cage nut x 6 pcs

⑨ Cup washer x 8 pcs

5.2 Optional Accessories

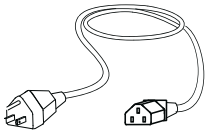
1. Combo 4-in-1 KVM cable

1.1 CE-6 6 feet
1.2 CE-10 10 feet
1.3 CE-15 15 feet

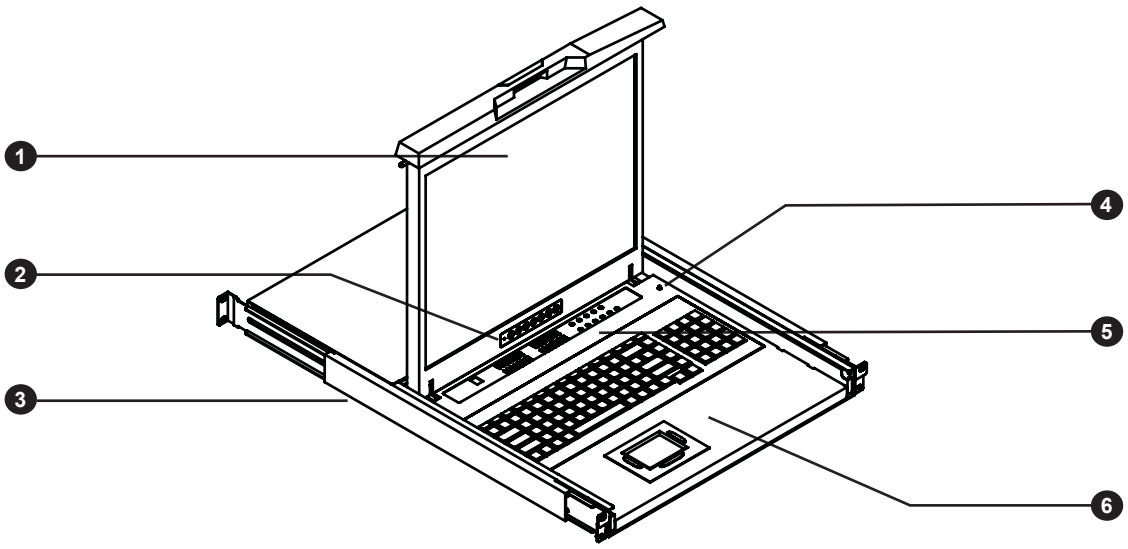


2. Power Cord

2.1 IEC power cord
2.2 NEMA 5-15 power cord (US)
2.3 BS 1363 power cord (UK)
2.4 CEE 7/4 power cord (German)
2.5 AS 3112 power cord (Australia)



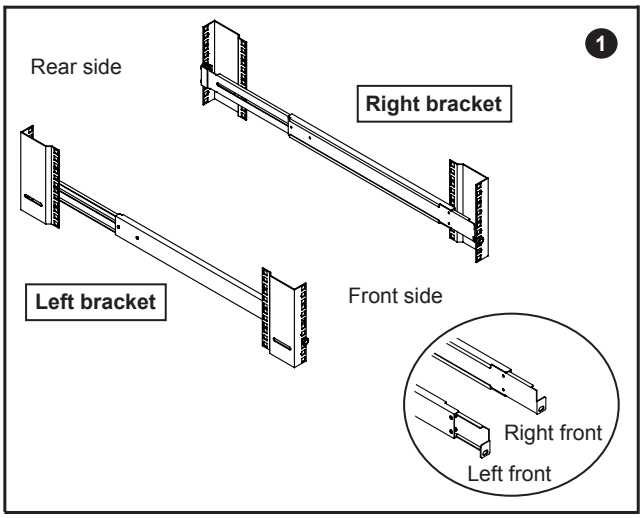
5.3 Structure Diagram



① LCD interchangeable module kit
② LCD membrane
③ “One Man” Installation Slide
④ Micro-switch for LCD auto ON / OFF
⑤ Membrane switch (KVM option)
⑥ Keyboard & mouse

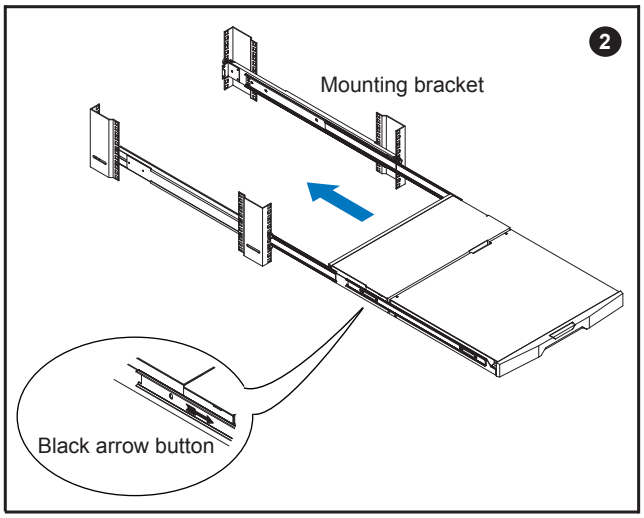
5.4 How to Install "One Man" Installation Slides

Install into rack

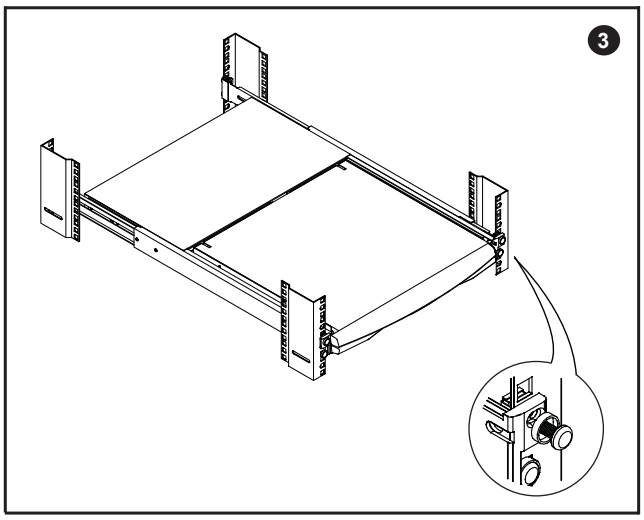


- Attach the left and right mounting bracket to rack 19” mounting rails.
- Adjust the rear mouting bracket to fit your rack.
- M6 screw and cup washer x 6 pcs included.

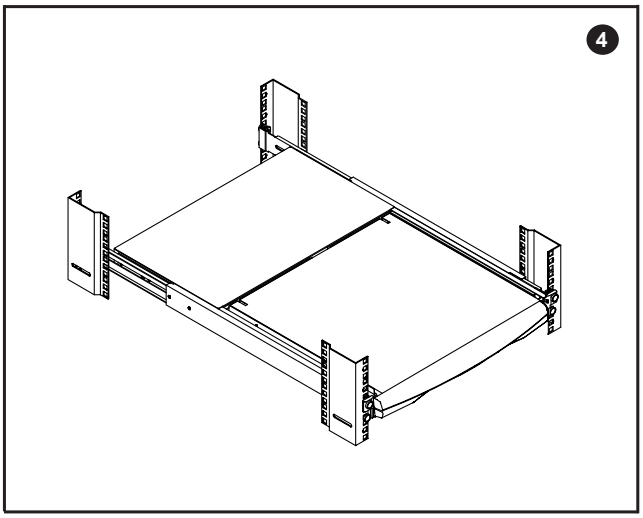
Caution : Leaving the screws slightly loose, until you complete the installation in step 4



- Pick up the LCD keyboard drawer.
- Insert the LCD keyboard drawer into the mounting bracket.
- Pull and hold the left & right black arrow buttons on the rails.
- Return the LCD keyboard drawer to park position.



- Attach front left and right mounting ears of the LCD keyboard drawer to vertical mounting rails.
- M6 screw and cup washer x 2 pcs included.



Complete the installation

- Tighten all 8 pcs of M6 screw to complete the installation.

5.5 How to Use the Slides

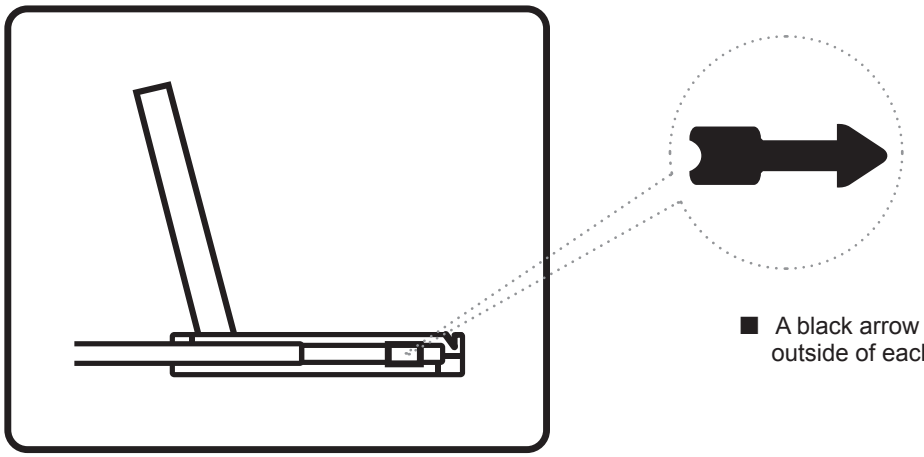


Figure 12.

■ A black arrow release button is located on the outside of each slide. (shown in **Figure 12)**.

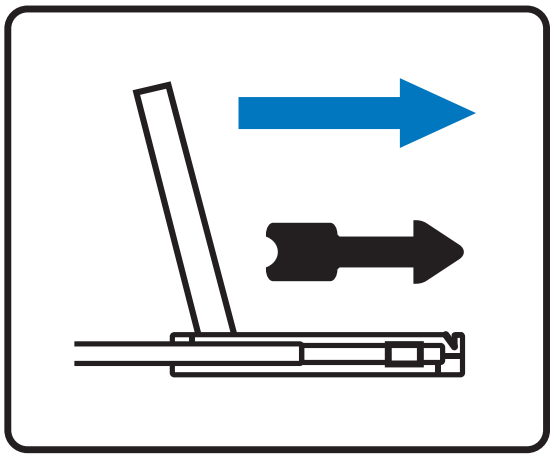


Figure 13.

■ Pull and hold the black arrow button on either side of the LCD keyboard drawer to unlock. (shown in **Figure 13)**.

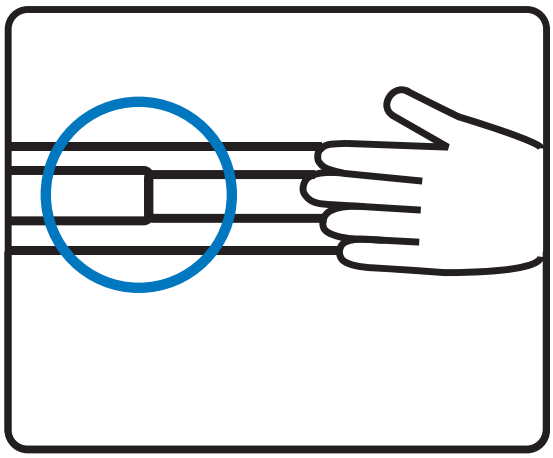


Figure 14.

■ Push the LCD keyboard drawer into the rack. (shown in **Figure 14)**.

Caution : Keep your fingers away from the slide stop

5.6 H-117 / 119 (Single Console)
- Use CE-6 to connect to server via PS/2 interface

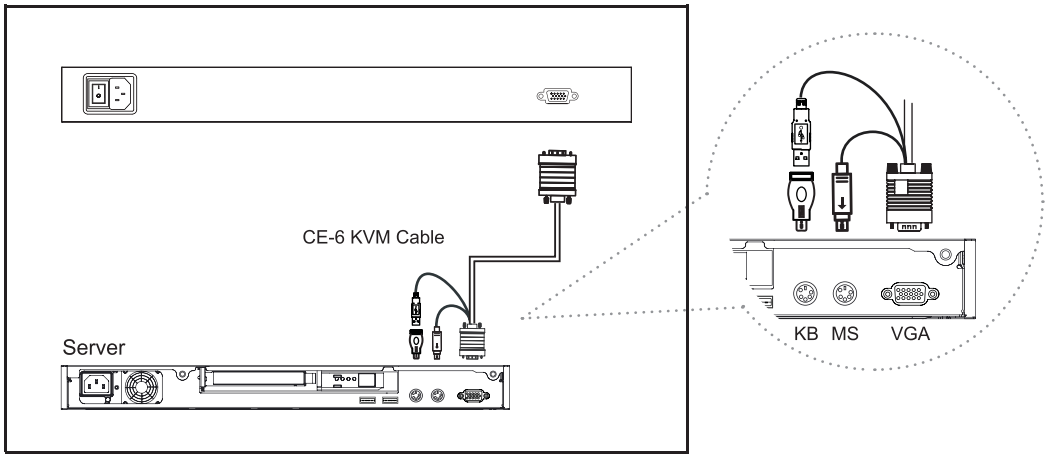


Figure 15. Example of connecting CE-6 4-in-1 Combo KVM cable to server via PS/2 interface

5.7 H-117 / 119 (Single Console)
- Use CE-6 to connect to KVM via PS/2 interface

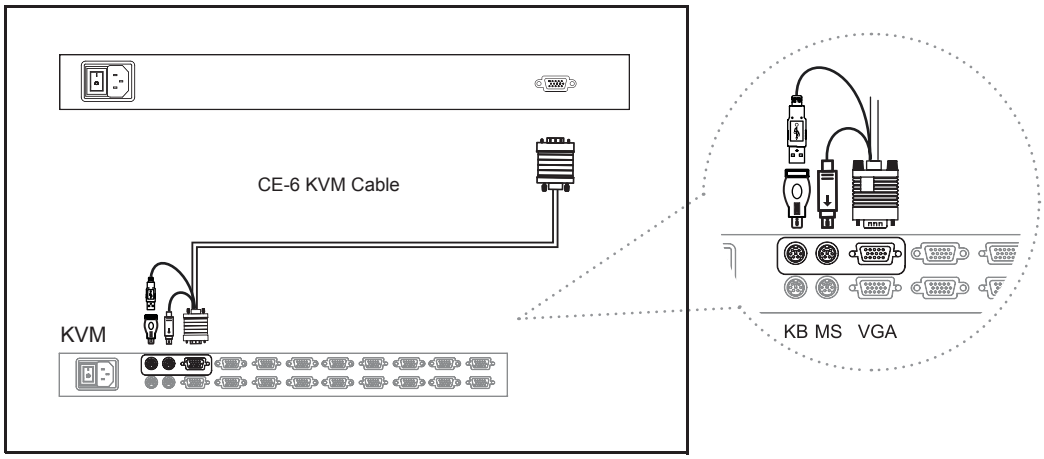


Figure 16. Example of connecting CE-6 4-in-1 Combo KVM cable to KVM via PS/2 interface

Remarks :

- The above connection is only for the LCD keyboard without KVM switch built-in.
- For the LCD keyboard drawer with KVM switch built-in, please refer to attached KVM switch user manual.

Caution : The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The company is not responsible for damage caused in this way.

5.8 H-117 / 119 (Single Console)
- Use CE-6 to connect to server via USB interface

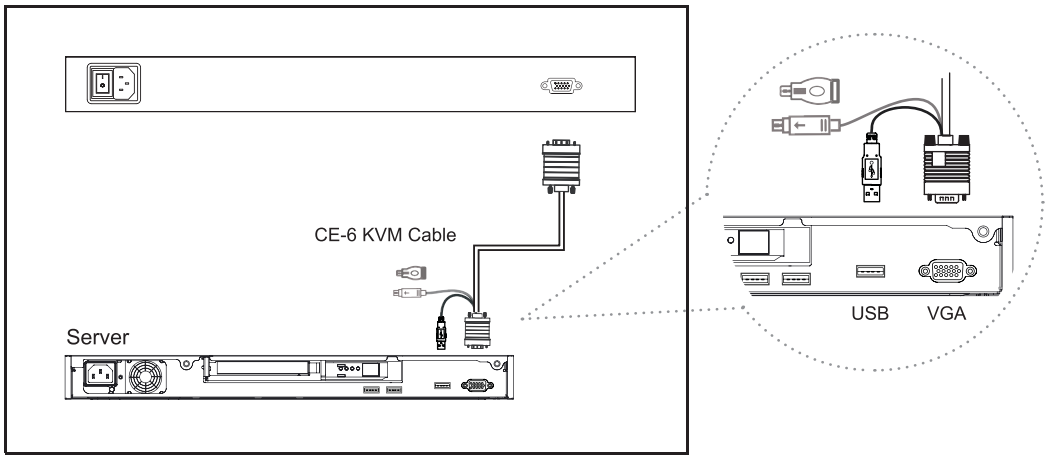


Figure 17. Example of connecting CE-6 4-in-1 Combo KVM cable to server via USB interface

5.9 H-117 / 119 (Single Console)
- Use CE-6 to connect to KVM via USB interface

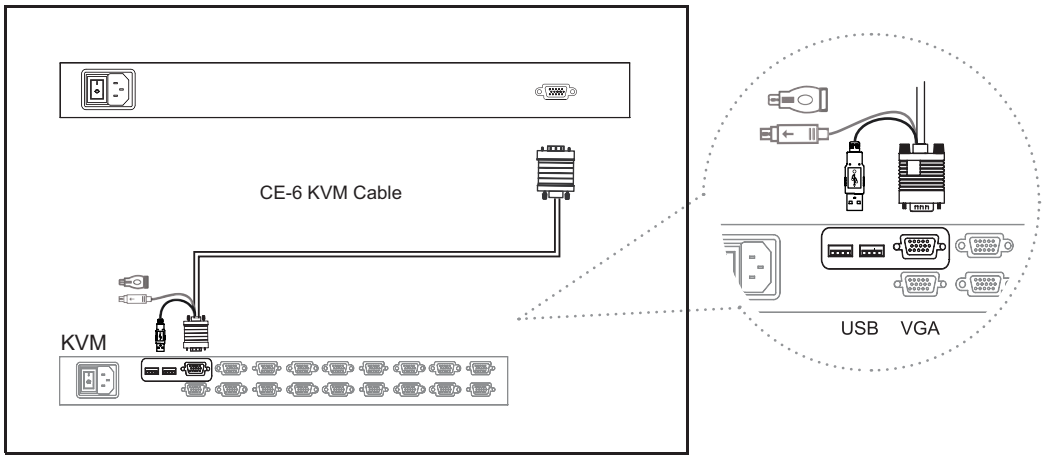


Figure 18. Example of connecting CE-6 4-in-1 Combo KVM cable to KVM via USB interface

Remarks :

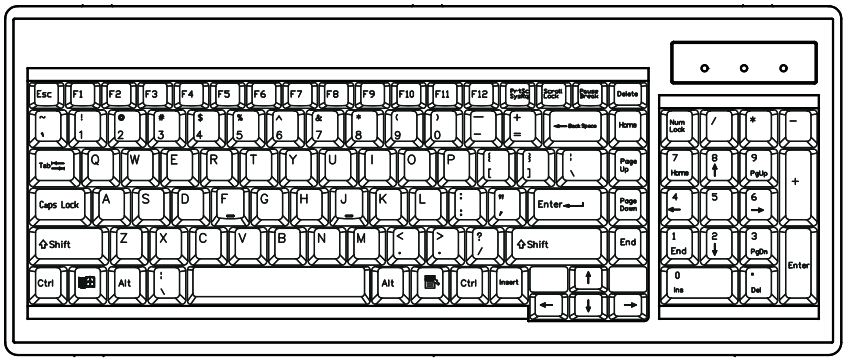
- The above connection is only for the LCD keyboard without KVM switch built-in.
- For the LCD keyboard drawer with KVM switch built-in, please refer to attached KVM switch user manual.

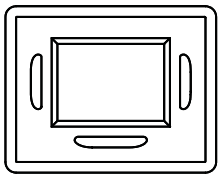
Caution : The LCD keyboard drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD keyboard drawer. Before attempting to connect anything to the LCD keyboard drawer, we suggest turning off the power to all devices before connecting them. Apply power to connected devices again only after the LCD keyboard is receiving power. The company is not responsible for damage caused in this way.

5.10 Keyboard & Mouse

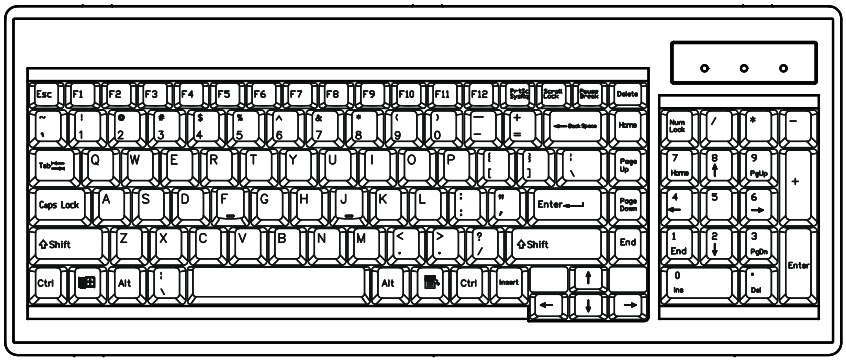
H-117 & H-119

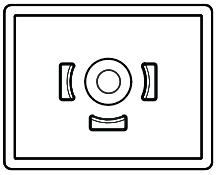
Supporting layouts





Ne N keyboard integrated with touchpad



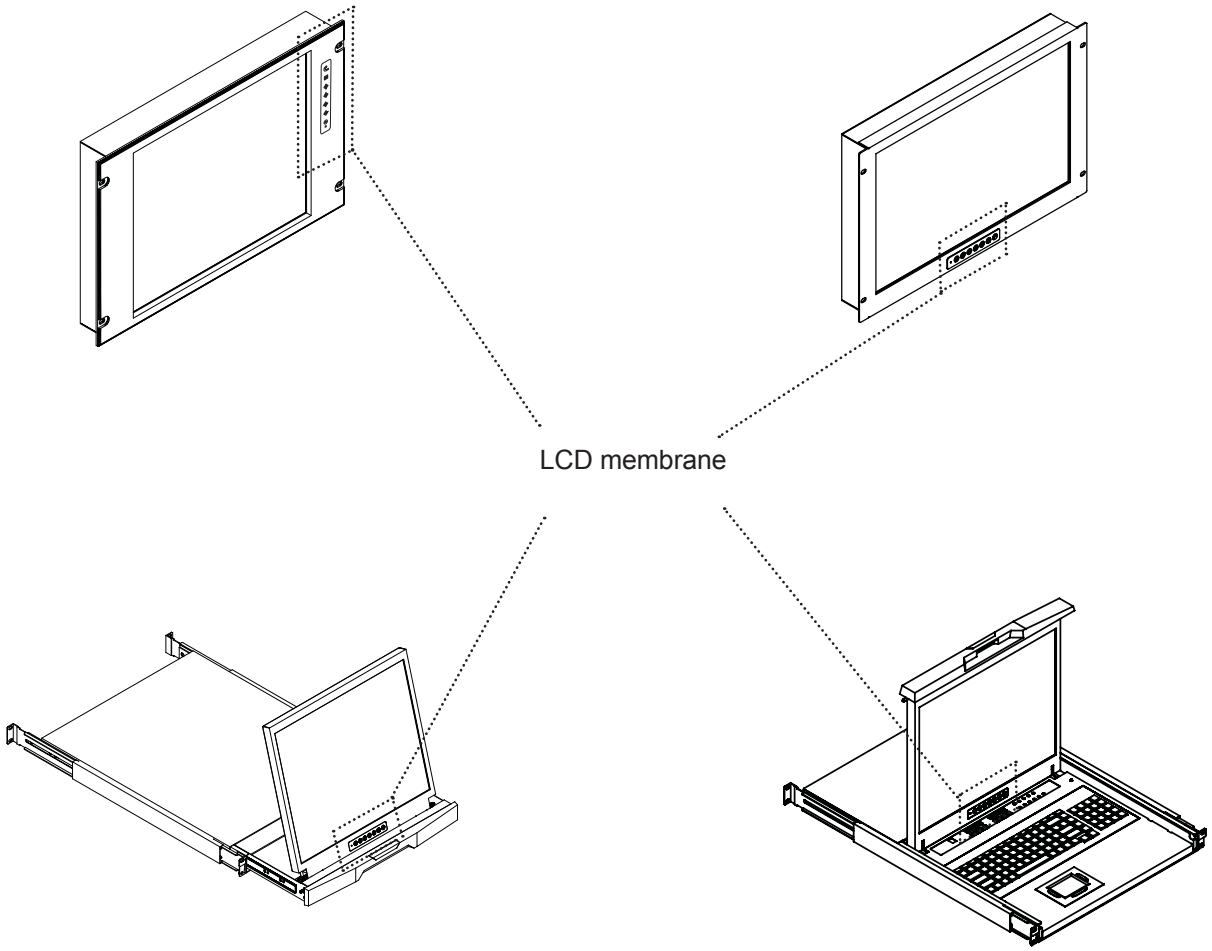


Nb N keyboard integrated with trackball

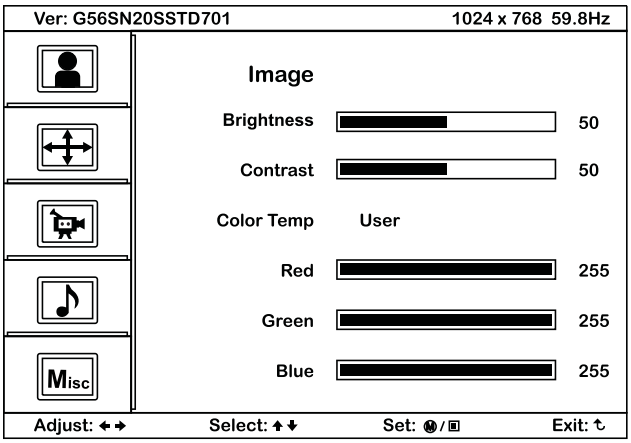
6.1 On-screen Display Operation

Chapter 6

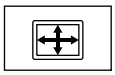
RP-H717 & RP-H819
RP-HW719 & RP-HW822
RP-H117 & RP-H119
H-117 & H-119



Membrane Switch	Function
○ ● ●	Power light Green = On Orange = Power saving
⏻	Power on / off LCD
M	Display the OSD menu
◇ ◇ ◇ ◇	Scrolls through menu options and adjusts the displayed control (To auto adjustment by pressing the button ◇ for 5 seconds)
↩	Exit the OSD screen Toggle analog, digital & video connection (DVI-D and video options only)



OSD Configuration Page

	Image: To enter into the brighness, contrast, color temp, red, green, and blue
	**Geometry:** To enter into the auto adjust, H position, V position, phase and clock
	Video: To enter into the colour, tint, sharpness, noise reduction, DCDi and TV Setup
	Audio: To enter into volume, bass, treble, balance, AVL and mute
	Misc: To enter into the language, OSD position, graphic mode, ratio, reset and timer

7.1 LCD Specifications

Chapter 7

RP-H717 & RP-H819
RP-H117 & RP-H119
H-117 & H-119

Item	Description	
LCD Grade	Grade A industrial TFT LCD panel	
Diagonal Size	17" TFT	19" TFT
Max. Resolution	1280 x 1024	1280 x 1024
Brightness (cd/m²)	1000	1000
Color Support	16.7 M	16.7 M
Contrast Ratio (typ.)	800:1	800:1
Viewing Angle (H/V)	170˚ x 160˚	160˚ x 160˚
Display Area (mm)	338 x 270	376 x 301
Tr Response Time (ms)	3.5	1.3
LCD Panel MTBF (hrs)	70,000	70,000
VGA Signal Input	Analog RGB, 0.7Vp-p	
Sync. Type	Separate H/V, Composite, SOG	
Resolution	720 x 400, 70 Hz	
	640 x 480, 60/ 70/ 72/ 75 Hz	
	800 x 600, 60/ 70/ 72/ 75 Hz	
	1024 x 768, 60/ 70/ 75 Hz	
	1152 x 864, 60/ 70/ 75 Hz	
	1280 x 720, 60/ 70/ 75 Hz	
	1280 x 1024, 60/ 70/ 72/ 75 Hz	
Plug & Play DDC	EDID 1.3	
Connector	DB-15 connector	
Power Input	Auto-sensing 100 to 240VAC, 50 / 60Hz	
Power Consumption	Max. 84 Watt, Standby 5 Watt	
Compatibility	Multi-platform - Mix PCs, SUNs, IBMs, HPs & DELLs.	

Options

Graphic Input	DVI-D, BNC, S-Video & quad display input
DC Power	DC power input with 12V, 24V, 48V selection
Touchscreen	Resistive & capacitive

Environmental

Operation	-20˚ to 50˚C Degree
Storage	-5˚ to 60˚C Degree
Relative Humidity	5~90%, non-condensing
Shock	10G acceleration (11ms duration)
Vibration	5~500Hz 1G RMS random vibration

7.1 LCD Specifications

Chapter 7

RP-HW719 & RP-HW822

Item	Description	
LCD Grade	Grade A industrial TFT LCD panel	
Diagonal Size	Wide 19" TFT	Wide 22" TFT
Max. Resolution	1440 x 900	1680 x 1050
Brightness (cd/m²)	800	800
Color Support	16.7 M	16.7 M
Contrast Ratio (typ.)	900:1	900:1
Viewing Angle (H/V)	160˚ x 160˚	160˚ x 160˚
Display Area (mm)	408 x 255	474 x 296
Tr Response Time (ms)	1.3	3.6
LCD Panel MTBF (hrs)	70,000	70,000
VGA Signal Input	Analog RGB, 0.7Vp-p	
Sync. Type	Separate H/V, Composite, SOG	
Resolution	720 x 400, 70 Hz	
	640 x 480, 60/ 70/ 72/ 75 Hz	
	800 x 600, 60/ 70/ 72/ 75 Hz	
	1024 x 768, 60/ 70/ 75 Hz	
	1152 x 864, 60/ 70/ 75 Hz	
	1280 x 720, 60/ 70/ 75 Hz	1280 x 720, 60/ 75 Hz
	1280 x 1024, 60/ 70/ 75 Hz	1280 x 1024, 60/ 75 Hz
	1440 x 900, 60 Hz	1680 x 1050, 60 Hz
Plug & Play DDC	EDID 1.3	
Connector	DB-15 connector	
Power Input	Auto-sensing 100 to 240VAC, 50 / 60Hz	
Power Consumption	Max. 84 Watt, Standby 5 Watt	
Compatibility	Multi-platform - Mix PCs, SUNs, IBMs, HPs & DELLs.	

Options

Graphic Input	DVI-D, BNC, S-Video & quad display input
DC Power	DC power input with 12V, 24V, 48V selection
Touchscreen	Resistive & capacitive

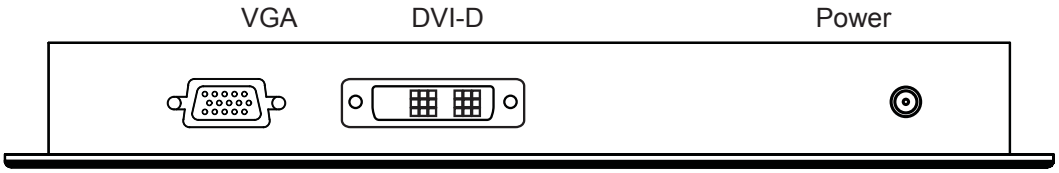
Environmental

Operation	-20˚ to 50˚C Degree
Storage	-5˚ to 60˚C Degree
Relative Humidity	5~90%, non-condensing
Shock	10G acceleration (11ms duration)
Vibration	5~500Hz 1G RMS random vibration

8.1 DVI-D Option

Chapter 8

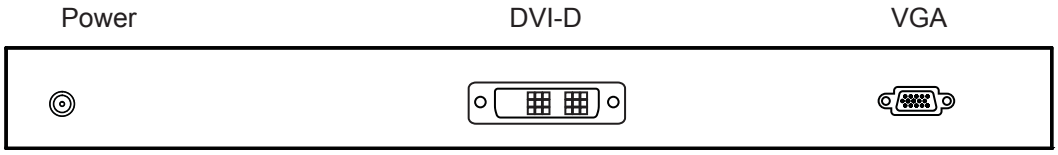
RP-H717 & RP-H819
RP-HW719 & RP-HW822



Remarks

■ Package includes 1 x 6ft DVI-D cable

RP-H117 & RP-H119
H-117 & H-119

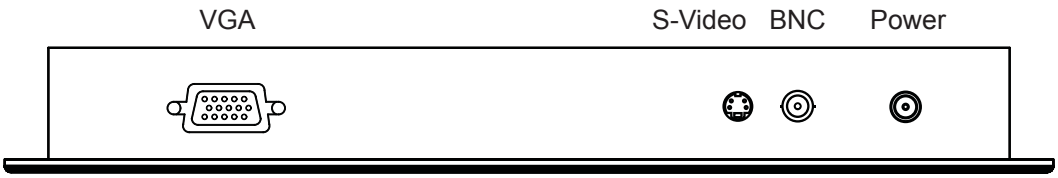


Remarks

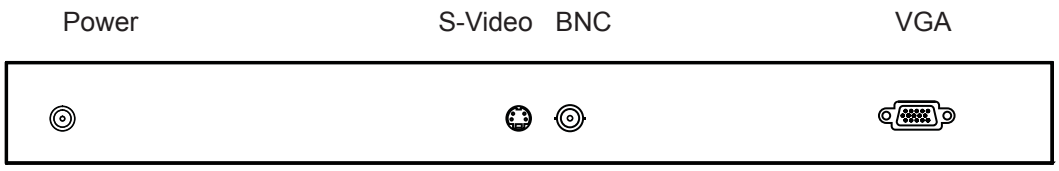
■ Package includes 1 x 6ft DVI-D cable

8.2 BNC + S-Video Option

RP-H717 & RP-H819
RP-HW719 & RP-HW822



RP-H117 & RP-H119
H-117 & H-119



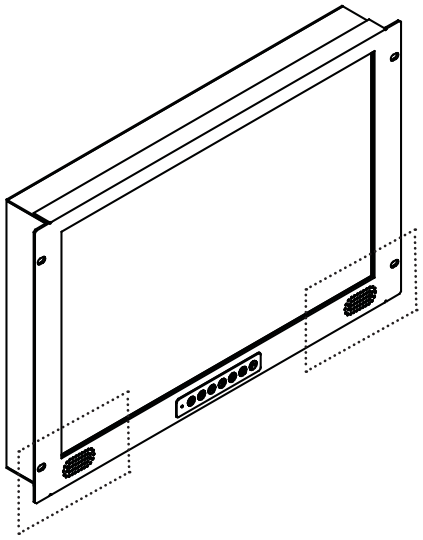
Remarks

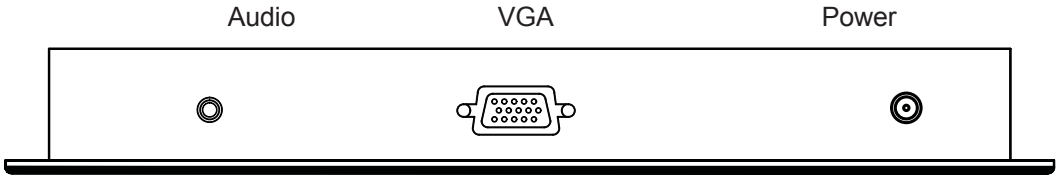
- Package includes 1 x 6ft S-Video cable

8.3 Audio Option

Chapter 8

RP-H717 & RP-H819
RP-HW719 & RP-HW822





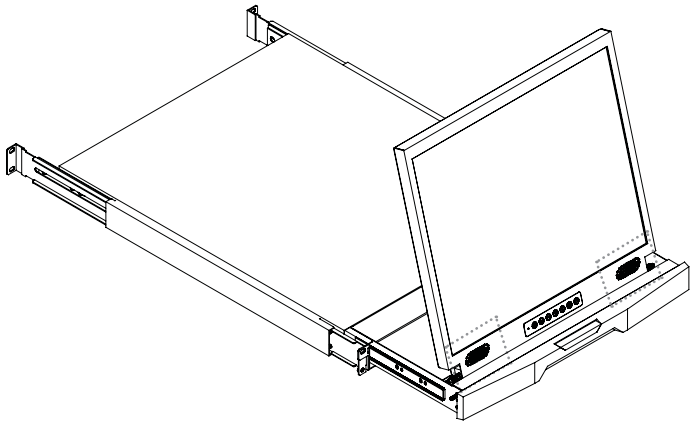
Remarks

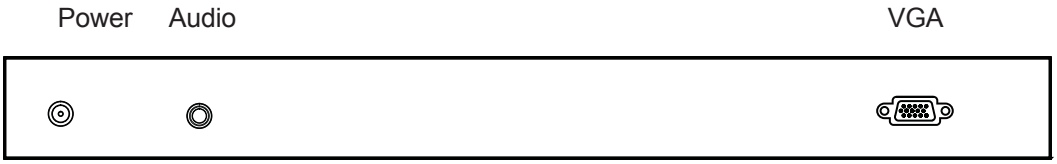
- Audio input is 35mm audio plug
- The speaker is sharing the same power with LCD.

8.3 Audio Option

Chapter 8

RP-H117 & RP-H119





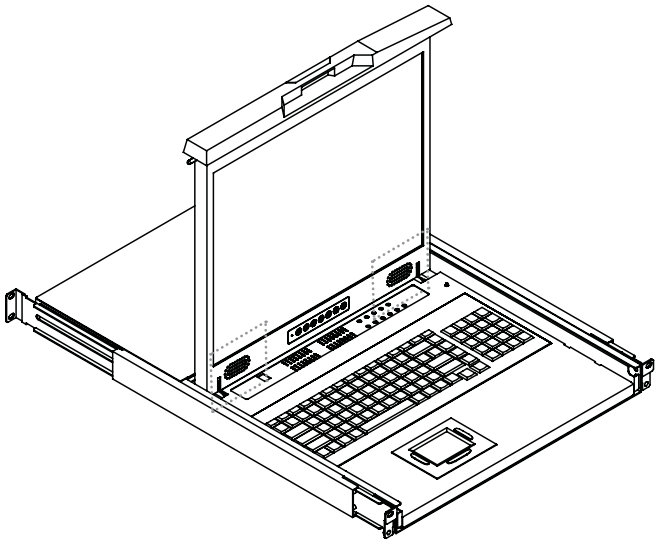
Remarks:

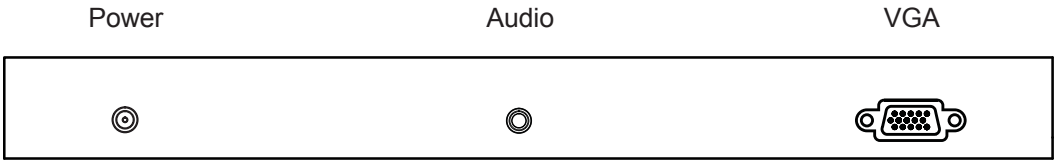
- Audio input is 35mm audio plug
- The speaker is sharing the same power with LCD.

8.3 Audio Option

Chapter 8

H-117 & H-119



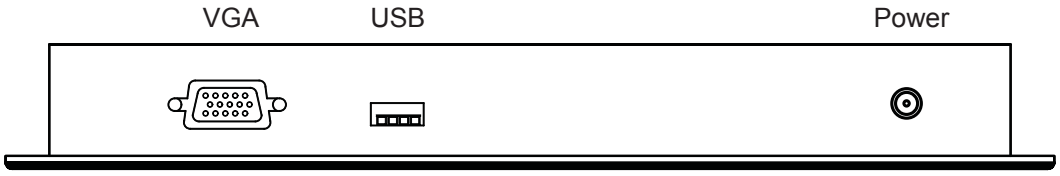


Remarks:

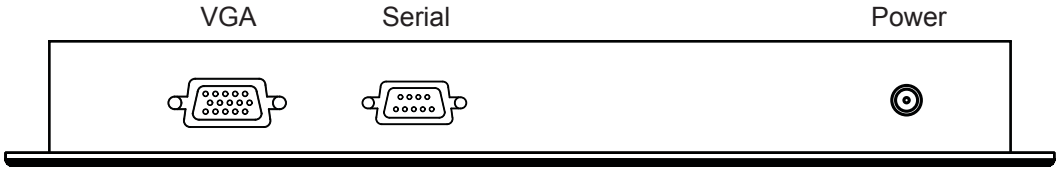
- Audio input is 35mm audio plug
- The speaker is sharing the same power with LCD.

RP-H717 & RP-H819
RP-HW719 & RP-HW822

USB interface

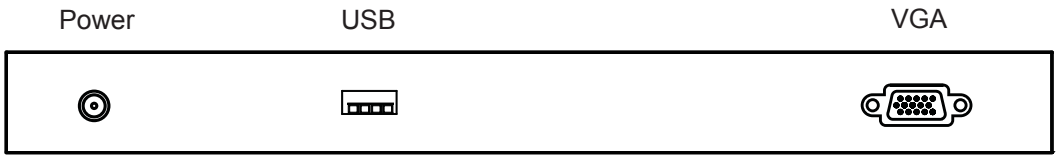


Serial interface

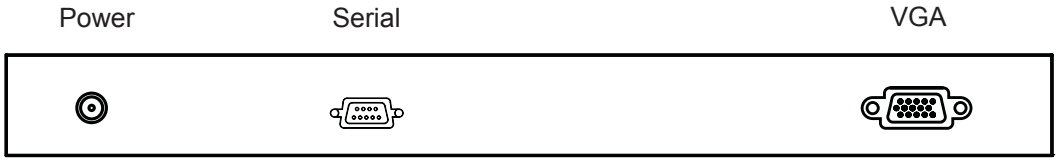


RP-H117 & RP-H119

USB interface

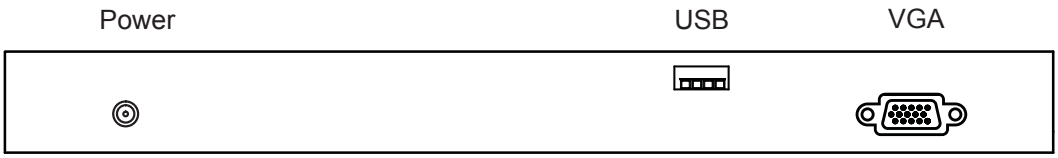


Serial interface

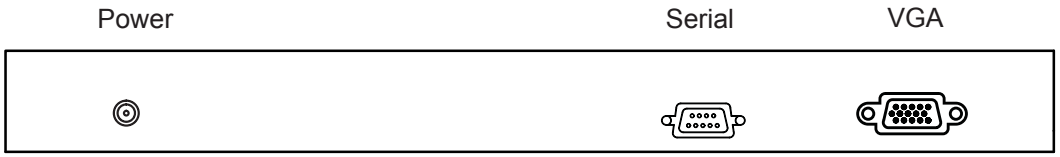


H-117 & H-119

USB interface



Serial interface



e-Resistive

Model	-17TRB / -17TRS	-19TRB / -19TRS	-19WTRB / -19WTRS	-22WTRB / -22WTRS
Screen size	17"	19"	19" wide	22" wide
Interface	USB / serial			
Optical transmittance	80% ± 3%			
Surface hardness	≥3H (JIS K5400)			
Operating system	Windows 98 / 2000 / ME / XP / NT / CE, DOS, Linux			

e-Capacitive

Model	-17TCB / -17TCS	-19TCB / -19TCS	-19WTCB / -19WTCS	-22WTCB / -22WTCS
Screen size	17"	19"	19" wide	22" wide
Interface	USB / serial			
Optical transmittance	93% ± 2%			
Surface hardness	>9H Surface hardness, withstand over 300 million touches			
Operating system	Windows 98 / 2000 / ME / XP / NT / CE, DOS, Linux			

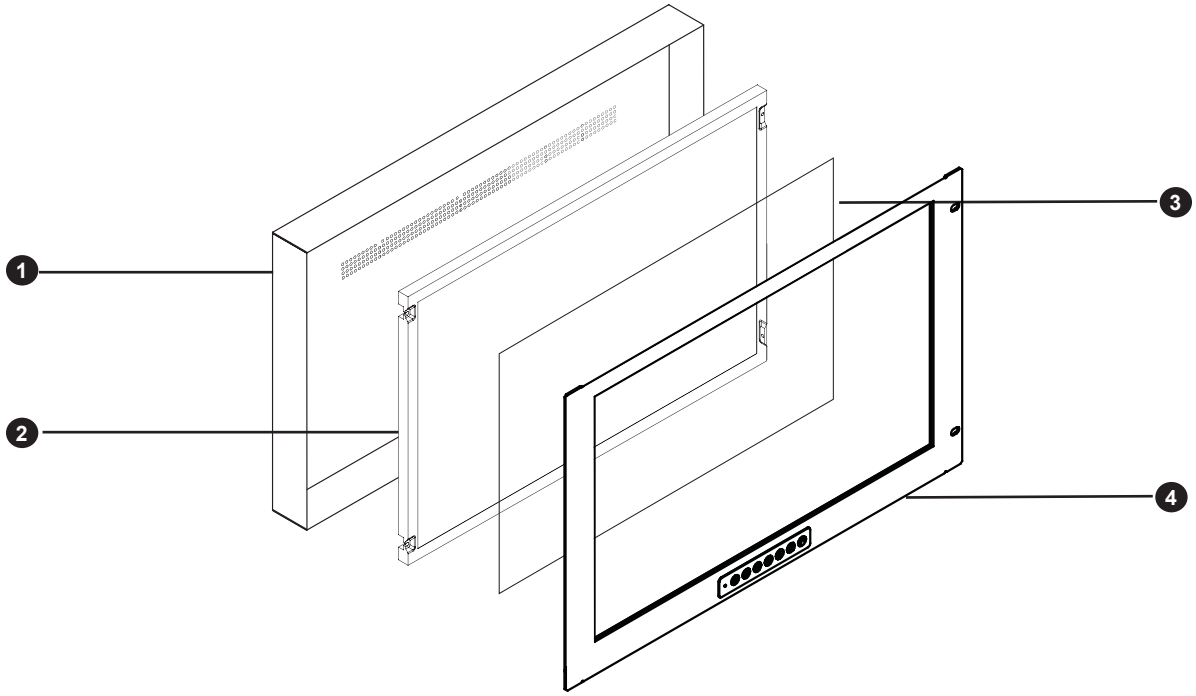
Remarks

- USB touchscreen package includes 1 x 6ft USB cable, quick reference guideline and CD disc
- Serial touchscreen package includes 1 x 6ft serial cable, quick reference guideline and CD disc
- For detailed information, please refer to the attached CD disc
- As the touchscreen unit is not made of toughened glass, please handle it carefully
- Touchscreen in other brands are available on request

10.1 Front NEMA 4 / IP65 Options

Chapter 10

RP-H717 & RP-H819
RP-HW719 & RP-HW822



① Rear case

② LCD panel

③ 4mm protective glass (Front NEMA 4 / IP65 protection)

④ Aluminum front panel

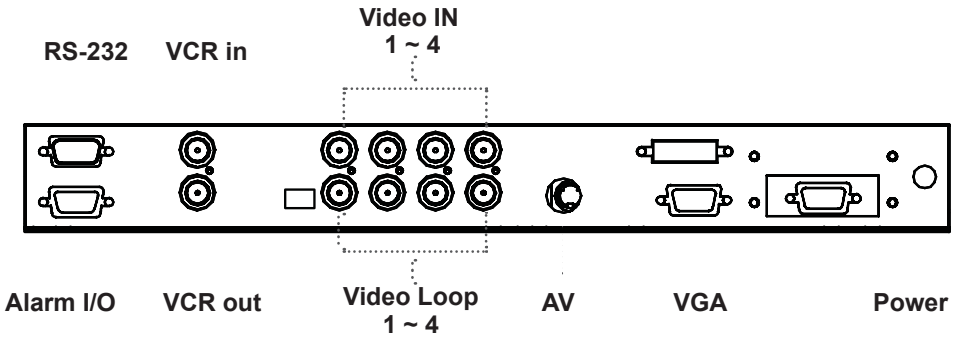
Remarks

■ 4mm thickness of protective glass is not toughened one, please handle it carefully.

11.1 Quad Display Option

Chapter 11

Specifications



Item		Description	
Model Number		QD (NTSC)	QD (PAL)
Number of Color		16.7 M	16.7 M
Imaging System		NTSC	PAL
Resolution		1024 x 525	1024 x 625
Refresh Rate		60	50
Video Input	Camera Input	1.0 Vpp, 75 Ohm x 4	
	VCR Input	1.0 Vpp, 75 Ohm x 1	
Video Output	Live Monitor	1.0 Vpp, 75 Ohm x 1	
	Loop Through Out	1.0 Vpp, 75 Ohm x 4	
	VCR Output	1.0 Vpp, 75 Ohm x 1	
Auto Gain Control		Yes	
Time / Date		Yes	
On Screen Display		Yes	
Camera Title		8 Character Title	
Display Format	2 x Zoom On Playback	Yes	
	QUAD	Yes	
	FULL	Yes	
	SEQUENCY	Yes	
Dwell Time		0 to 99 Sec Adjustable	
Built-in Buzzer		Yes	
Key Lock		Yes	

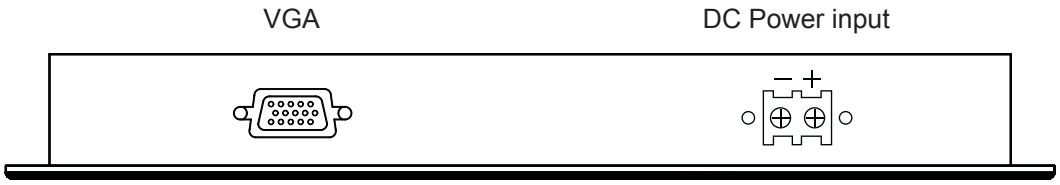
Remarks

- For more details, please refer to Quad Display User Manual.
- Quad display input is not applicable for H-117 / 119 series.

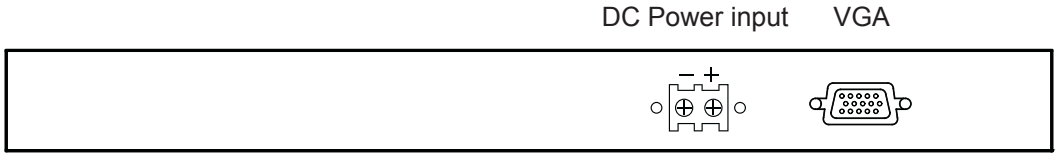
12.1 DC Power Options

Chapter 12

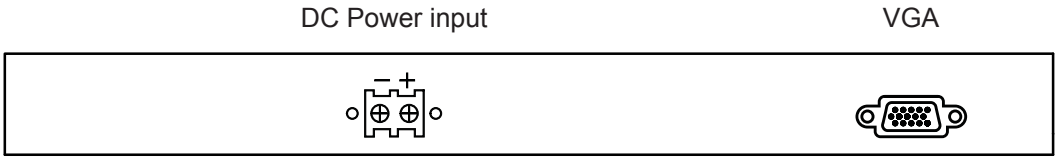
RP-H717 & RP-H819
RP-HW719 & RP-HW822



RP-H117 & RP-H119



H-117 & H-119



Model	24V	48V
Input rating		
Input voltage:	24-Volt	48-Volt
Input range:	18 ~ 36V	36 ~ 75V
Input current		
- No load	50 mA	50 mA
- Full load	4880 mA	2442 mA
Output rating		
Output voltage:	12-Volt	12-Volt
Output current:	8.3A	8.3A
Efficiency	85%	86%

Remarks

■ Package does not include power cord and AC power adapter

13.1 Dimensions

Chapter 13

RP-H717 & RP-H819
RP-HW719 & RP-HW822
RP-H117 & RP-H119
H-117 & H-119

Model	Product Dimension (W x D x H)		Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-H717 series	480 x 57 mm 18.9 x 2.2"	7U	565 x 450 x 156 mm 22.2 x 17.7 x 6.1"	7 kg 15 lb	8.5 kg 19 lb
RP-H819 series	480 x 57 mm 18.9 x 2.2"	8U	565 x 495 x 156 mm 22.2 x 19.5 x 6.1"	8 kg 18 lb	10 kg 22 lb
RP-HW719 series	480 x 57.5 18.9 x 2.3"	7U	565 x 450 x 156 mm 22.2 x 17.7 x 6.1"	8 kg 18 lbs	10 kg 22 lb
RP-HW822 series	500.4 x 59.1 19.7 x 2.3"	8U	565 x 539 x 156 mm 22.2 x 21.2 x 6.1"	12 kg 26 lbs	15 kg 33 lb
RP-H117 series	442 x 600 x 44.2 mm 17.4 x 23.6 x 1.74"		581 x 755 x 172 mm 22.9 x 29.7 x 6.8"	12 kg 26 lb	17 kg 37 lb
RP-H119 series	442 x 600 x 44 mm 17.4 x 23.6 x 1.73"		581 x 755 x 172 mm 22.9 x 29.7 x 6.8”	13 kg 29 lb	18 kg 40 lb
H-117 series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73"		589 x 856 x 168 mm 23.2 x 33.7 x 6.6"	16 kg 35 lb	22 kg 48 lb
H-119 series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73"		589 x 856 x 168 mm 23.2 x 33.7 x 6.6"	16 kg 35 lb	22 kg 48 lb

14.1 Troubleshooting

Chapter 14

1. How do I adjust the resolution?

To change monitor resolution, click Start -> Control Panel -> Display. Select Setting tab to adjust the monitor resolution in Desktop Area. The available resolutions, "640 x 480", "800 x 600", "1024 x 768", "1152 x 864", "1280 x 1024", are determined by the display card in your computer.

2. Is interference signal appeared on LCD normal when shutting down the computer ?

In rare cases, interference may appear on the monitor. This may be caused by signal rate of VGA card and is considered normal. The image quality can be improved by adjusting the phase or pixel rate automatically or manually.

3. The membrane power light is not ON

Press the power On / Off on LCD membrane to check if the monitor is in the ON mode.
Check the power cord is properly connected to the LCD drawer and power outlet.

4. Screen image is not centered or sized properly

Press the button for two seconds to automatically adjust the image.
Adjust the H-position and V-position settings via On-screen menu.

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